Infrastructure Working Group
Infrastructure vs. Services

Service

Security Authentication Authentication

Infrastructure
Processing Model

- Storage, Optimization, Query
- Distribution
Security of Web Services

Systems for more exposed:
- Confidentiality
- Safety
- Policy
- Privacy
Trust

- Model of trust
  - Symbolic trust (proofs, logic)
  - Subsymbolic (eBay, Epinions)
Transformation

- Syntactic transformations (structure)
- Semantic transformations (ontology)
- Transformation services (mediators)
- Library of transformations (shared repository)
- Properties of transformations
- Merge and articulation
Localization and Identification

- Identity of objects (on the web)
- How to establish object identity? (different URI for same object)
- Malicious use of the same URI different things
- Link to other naming models (e.g., TopicMaps)
Relationships

- Databases
- W3C
- Agents
- Web security
Recommendations

- Encourage Open Source development of high quality components (aka Apache) (Technology Transition!)
  - Software
  - Ontologies (maybe?)
- Non-commercial organization for development software development (aka Apache.org)

New Approach to Technology Transfer for Funding Organizations!